

## VRLA Rechargeable Battery

# MPL100-12 Handle Type

### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed with very lower resistance and exceeding high power performance.
- Carry handles for easy installation
- Absorbent Glass Mat technology for efficient gas recombination

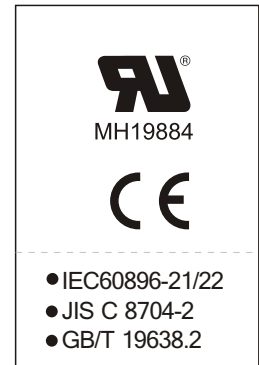
### APPLICATION

- UPS
- Telecom
- Cable TV
- Power station
- Golf-Carts
- Marine



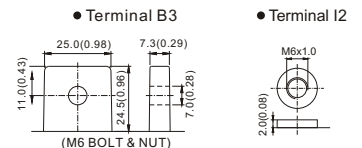
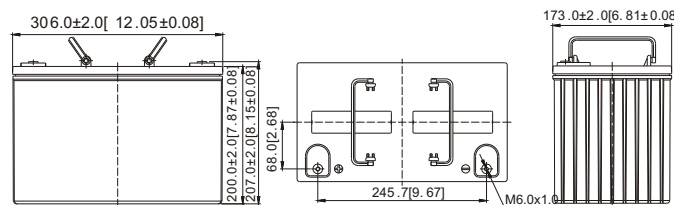
### SPECIFICATIONS

Nominal Voltage	12V
Nominal Capacity	400W @15 min-rate to 1.60V per cell @ 25°C(77°F)
Approx. Weight	30.2Kg(66.6lbs.)
Terminals	I2, B3 (Fitting M6 bolt & nut)
Max. Charge Current	29.5A
Short Circuit Current	2450 A
Operating Temperature Range	Charge 0°C~50°C(32°F~122°F) Discharge -20°C~60°C(-4°F~140°F) Storage -20°C~50°C(-4°F~122°F)
Internal Resistance	≤3.5m Ω(Fully Charged )
Container Material	Standard: ABS( UL94 HB) MPL100-12 Optional: Flame Retardant ABS (UL94 V-0) MPL100-12FR



### DIMENSION(mm/inch) OUTER DIMENSIONS TERMINAL TYPE

- Length 306±2.0(12.05±0.08)
- Width 173±2.0(6.81±0.08)
- Container Height 200±2.0(7.87±0.08)
- Total Height B3: 230±2.0(9.06±0.08)  
I2: 207±2.0(8.15±0.08)



Terminal Hardware Initial Torque:  
B3,I2(5.5Nm±5%)

### Constant power discharge characteristics at 25 °C/77 °F Unit: W

Discharge Time F.V.	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	40 Min	50 Min	60 Min	90 Min
10.8V	3463	2545	2114	1768	1532	1345	1083	909	788	560
10.5V	3882	2732	2236	1836	1578	1380	1105	928	800	569
10.2V	4140	2844	2313	1884	1609	1402	1121	939	809	575
9.9V	4308	2932	2365	1920	1634	1418	1134	949	817	580
9.6V	4436	2989	2400	1945	1654	1431	1145	957	823	583

### Constant current discharge characteristics at 25 °C/77 °F Unit: A

Discharge Time F.V.	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	40 Min	50 Min	60 Min	90 Min
10.8V	322	223	183	151	129	112	90	76	66.2	47.0
10.5V	353	241	193	158	134	117	92	78	67.2	47.8
10.2V	377	251	200	162	138	119	94	79	68.0	48.3
9.9V	391	259	206	166	140	121	96	80	68.7	48.8
9.6V	403	263	209	168	142	122	97	80	69.1	49.1

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained herein.  
B/0 REV. Oct. 2023